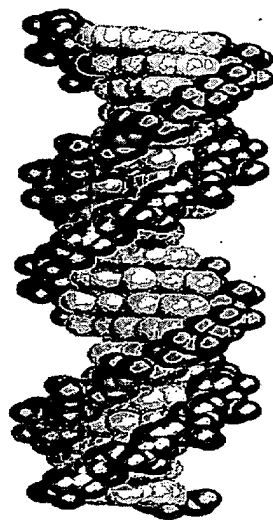


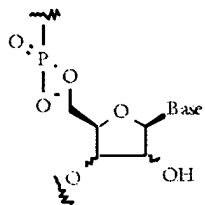
FIGURE 1

Structural Features of Pairing Component Systems

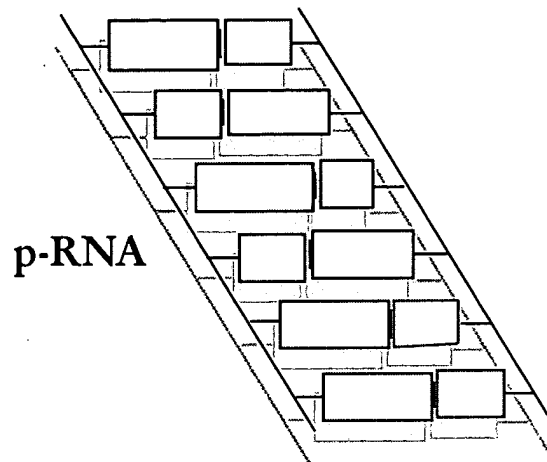


DNA

helical

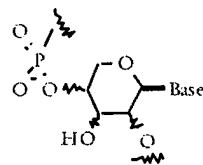


RNA unit



p-RNA

planar



p-RNA unit

FIGURE 2

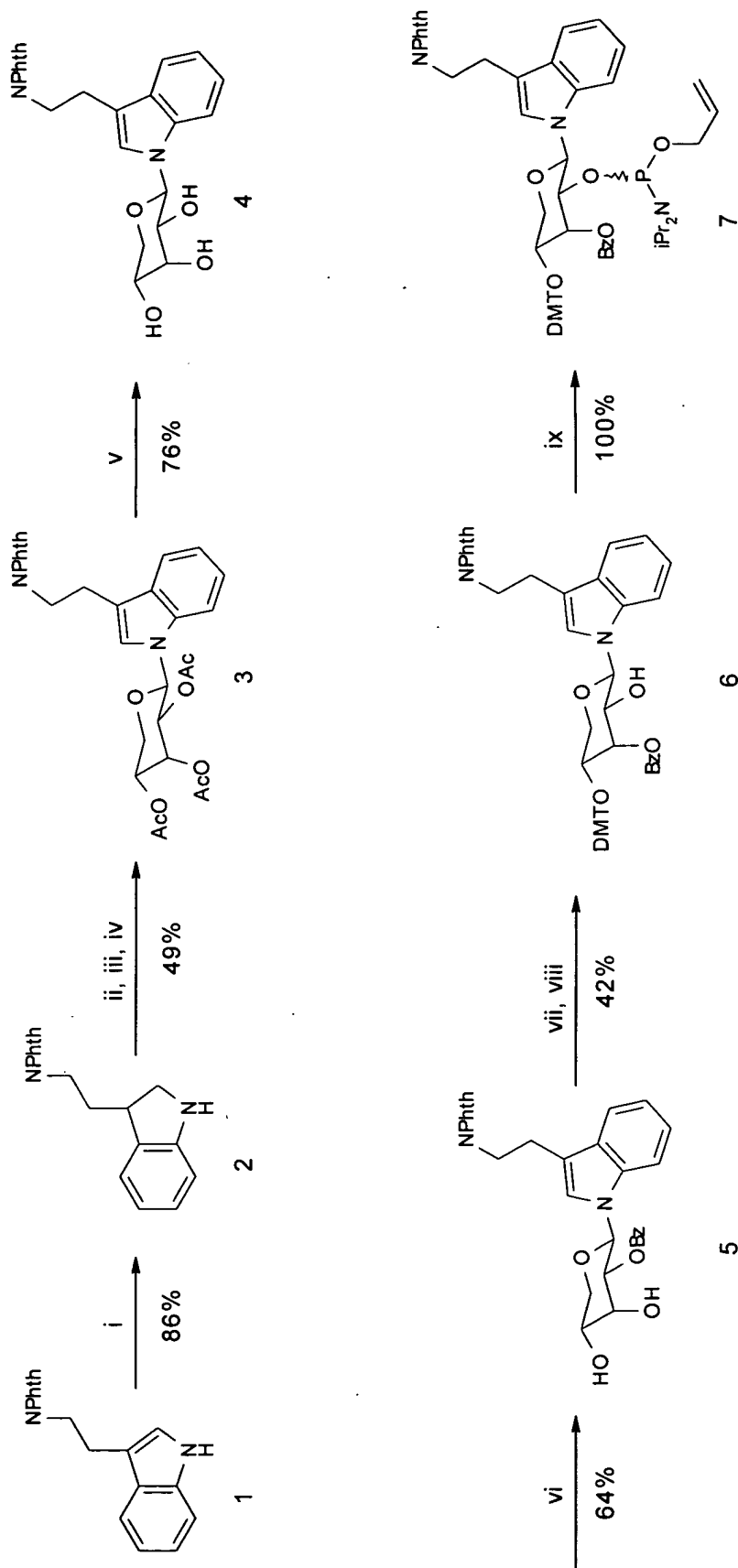


FIGURE 3

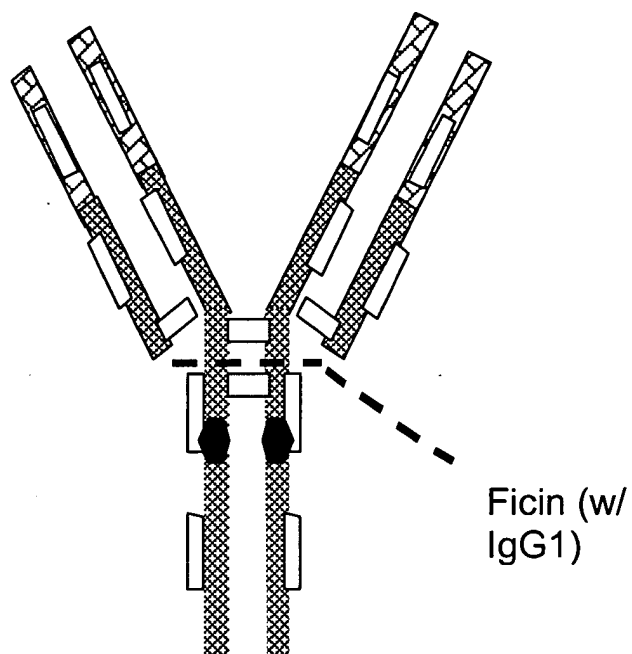


FIGURE 4a

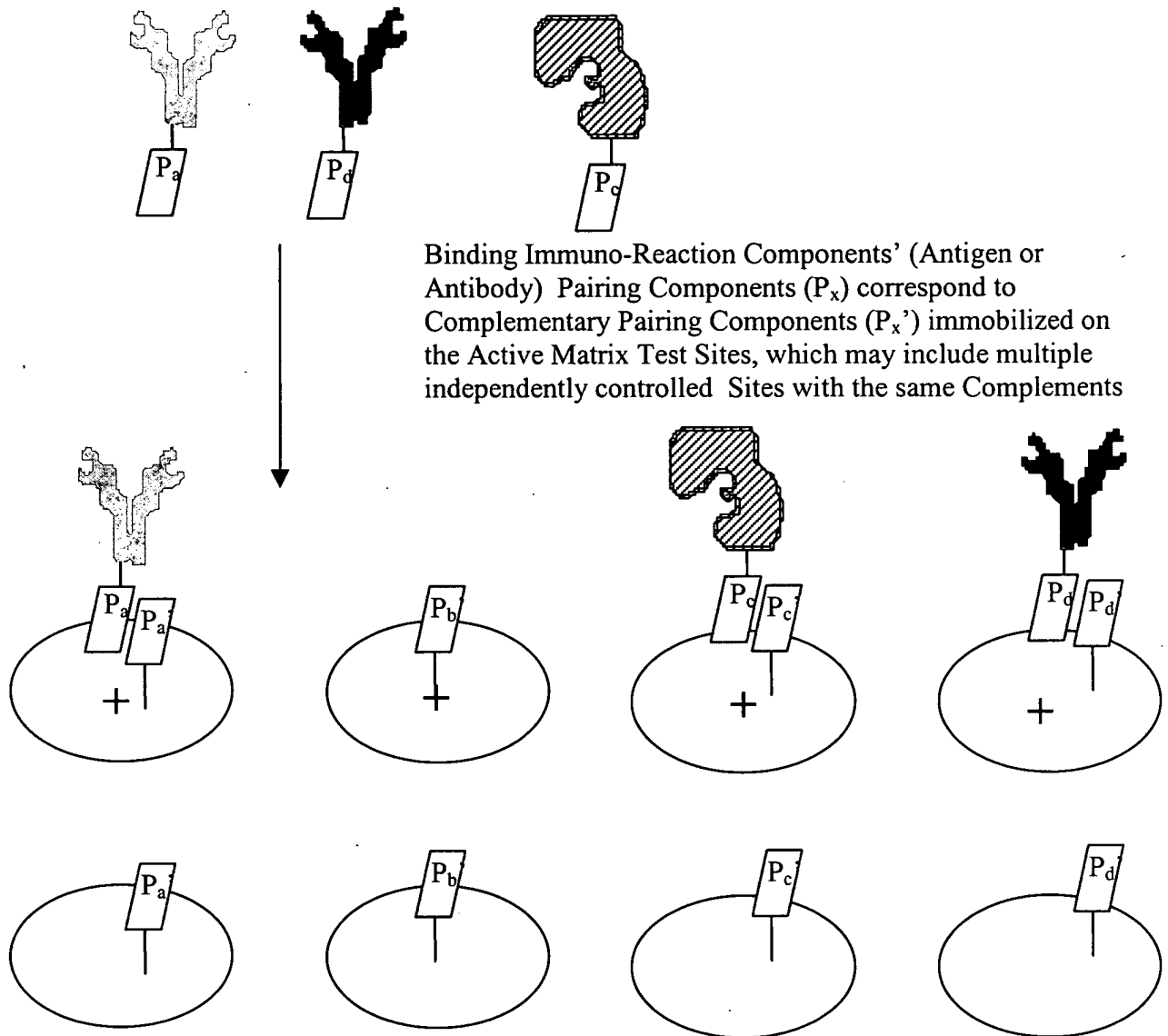
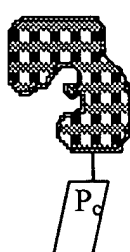
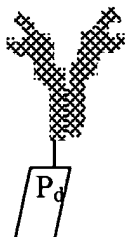
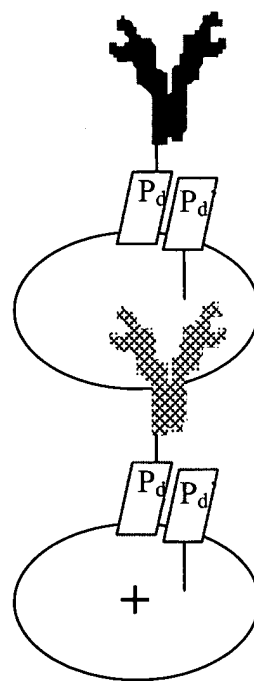
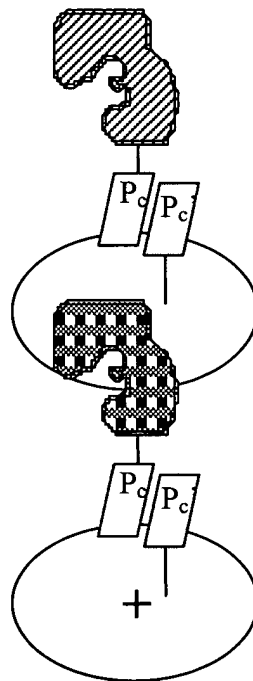
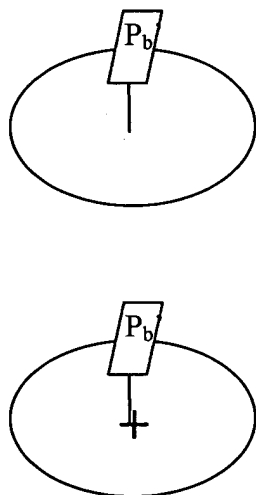
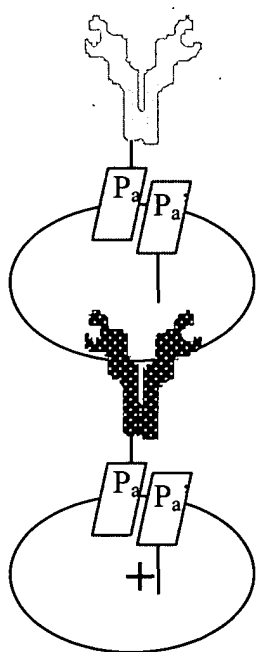


FIGURE 4b



After a first set of Binding Immunological Reaction Components has been Electronically Addressed, a Second set may be Electronically Addressed using the same P_x 's



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FIGURE 5

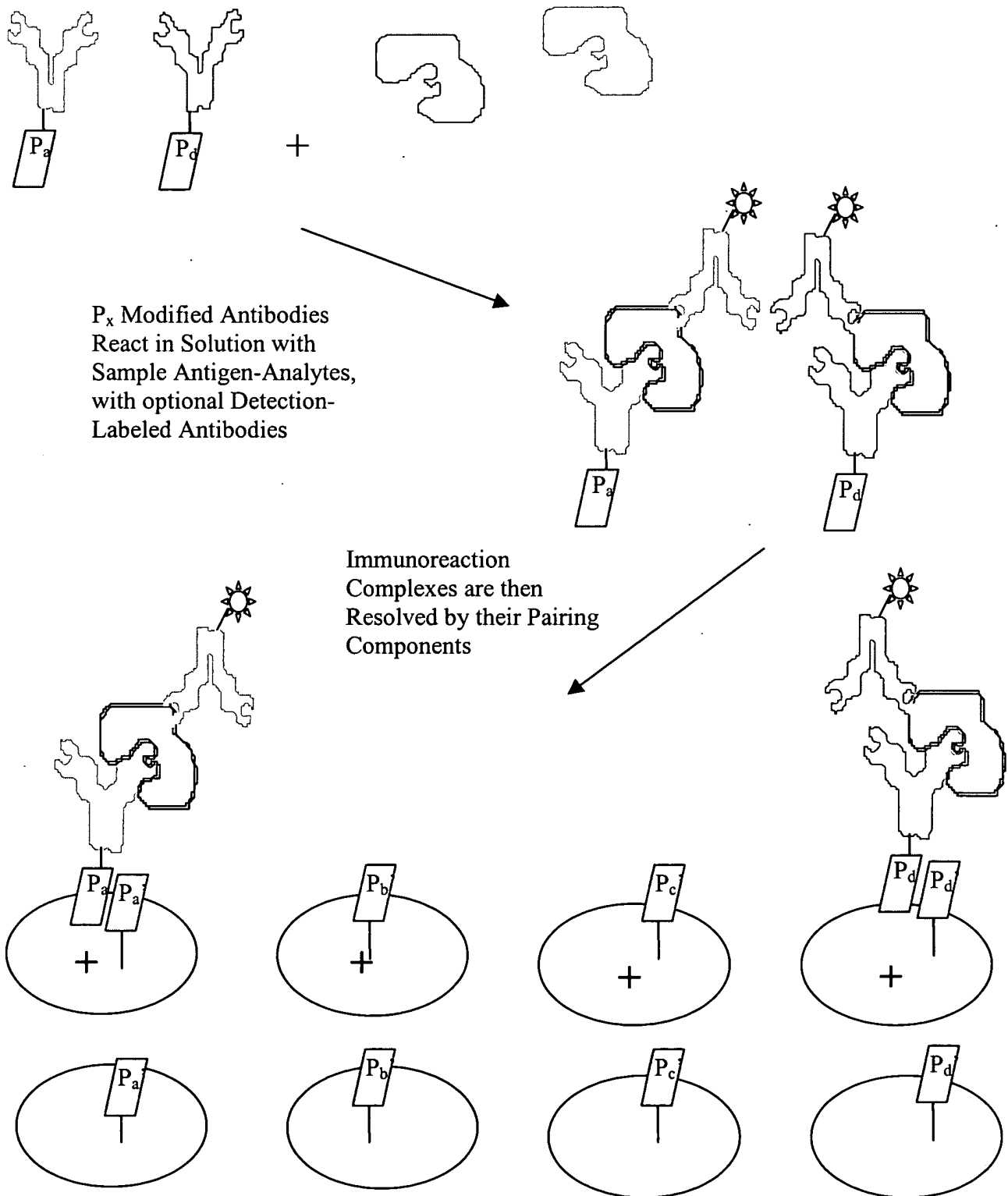
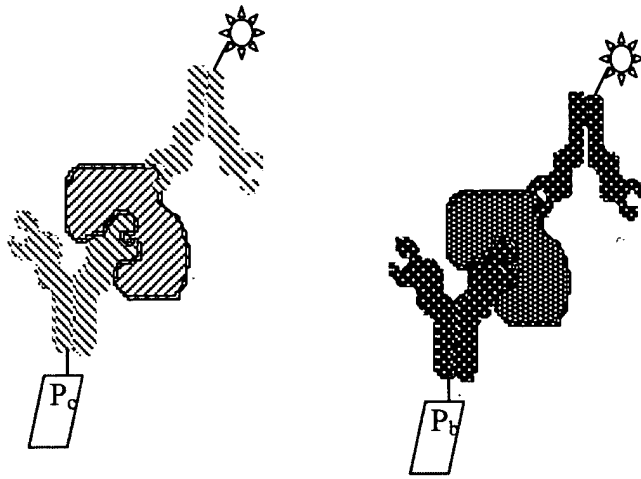


FIGURE 6



After the First Sample is resolved, a Second Sample Immunoreaction Mixture may be resolved on the same Active Matrix by activating another set of Test Sites

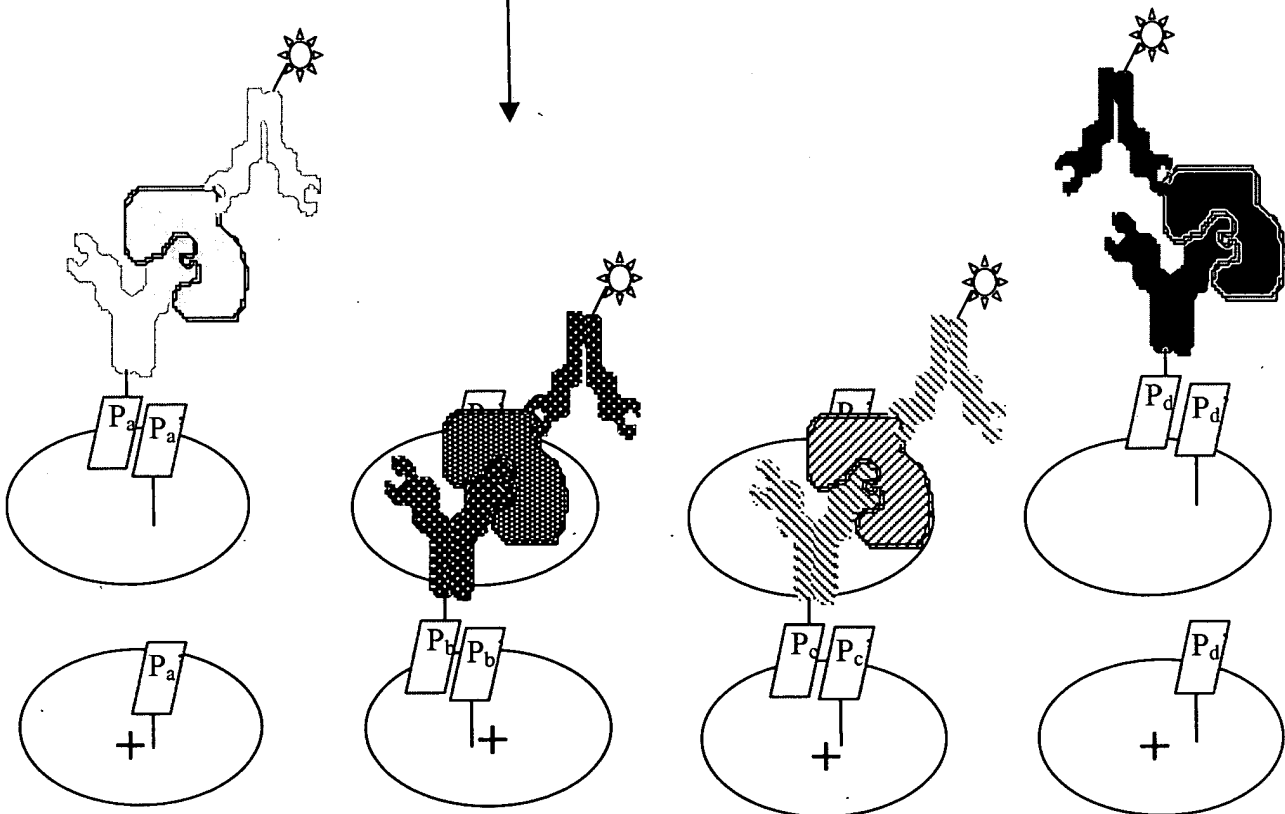
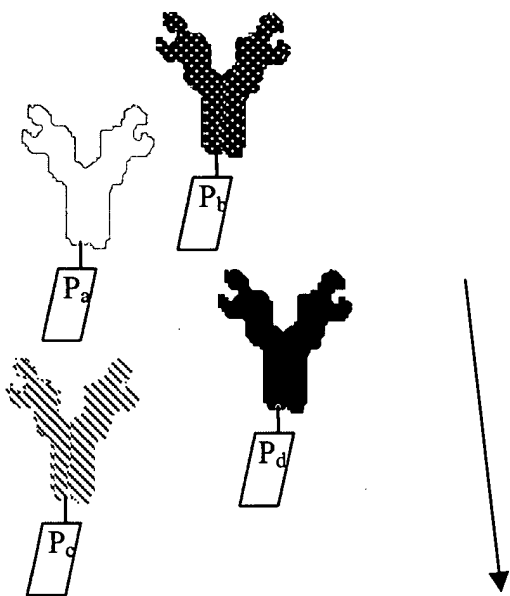


FIGURE 7a



In an Alternative Assay Format,
P_x Antibodies are first
electronically addressed to the
Test Sites of the Active Matrix

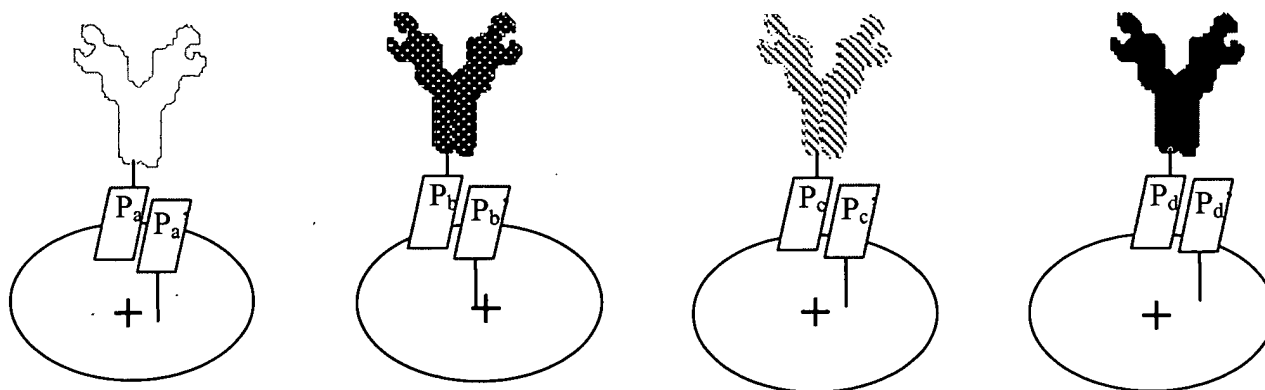


FIGURE 7b

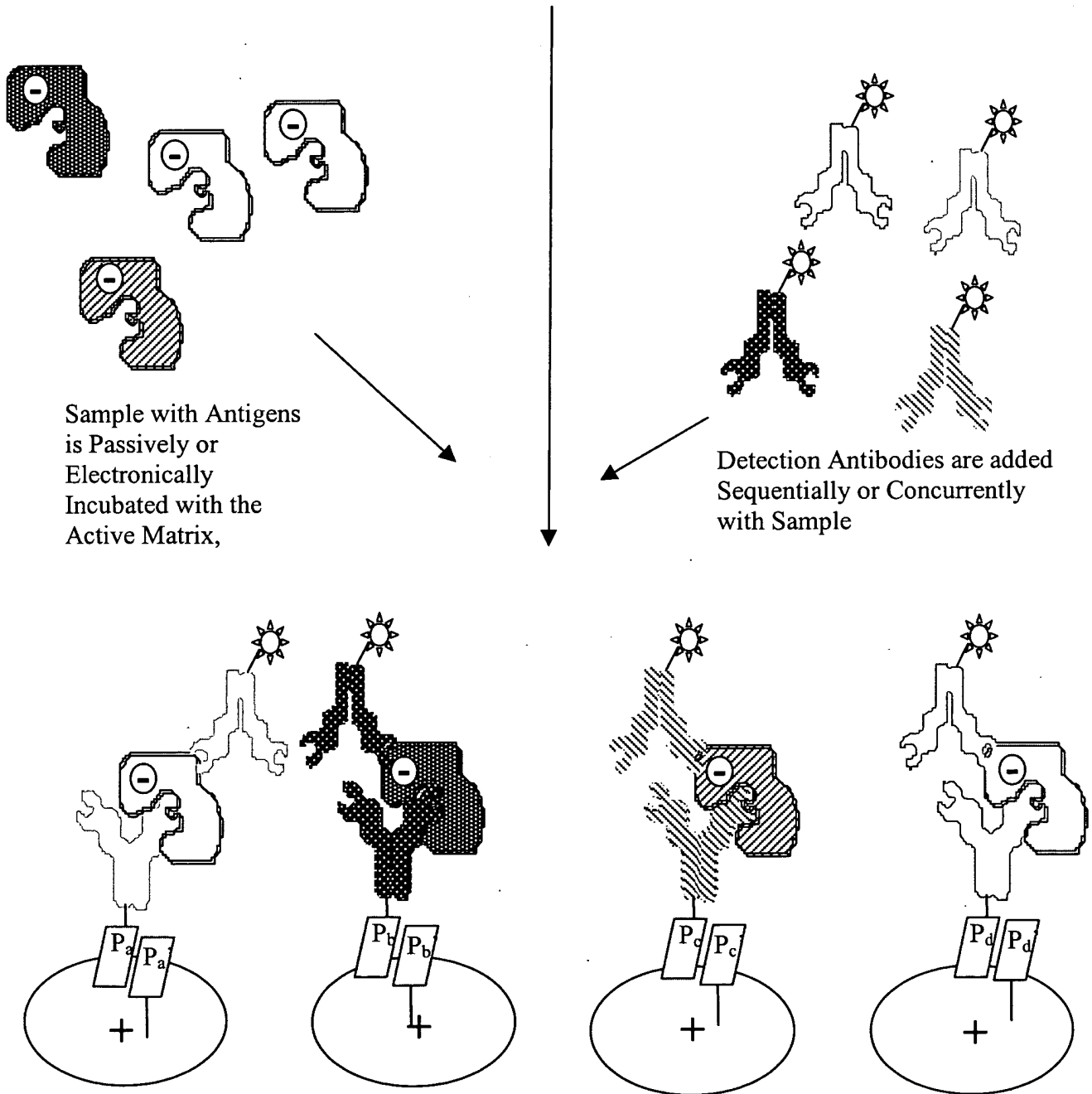


FIGURE 8a

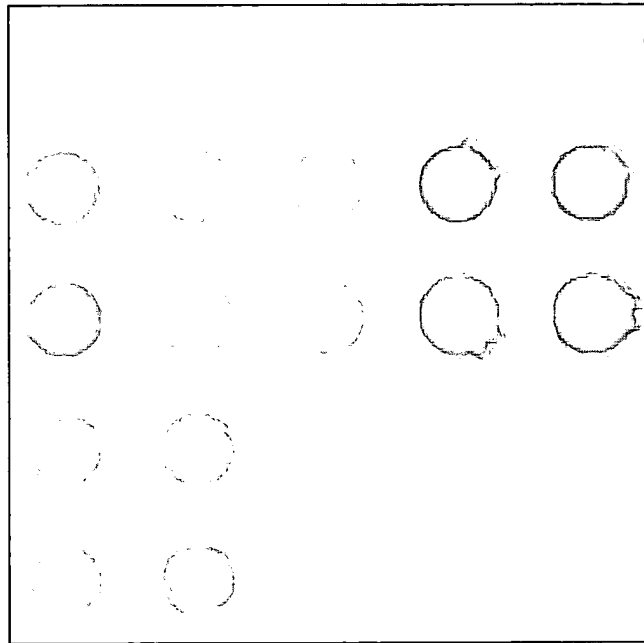


FIGURE 8b

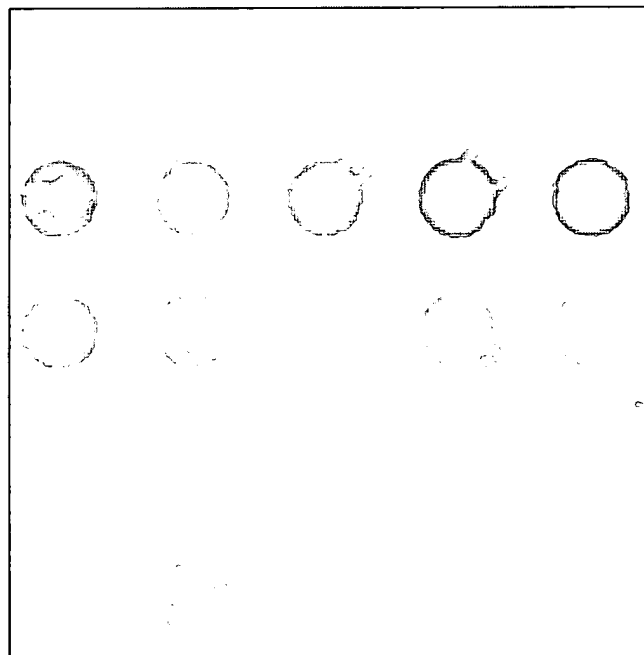


FIGURE 9

Biacore Results: Sensograms

antibody-pRNA conjugates introduced to chip-bound complementary pRNAs

